

Daniel Hinton



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Objective

Security focused tester, architect, and inventor

Experience

Bandwidth (Lawrence, KS) – Senior Security Architect

August 2017 – Present

Created and managed Secure Software Development Lifecycle (SSDLC) program company-wide

- > OWASP focused
- > Access Control
- > SAST – IBM AppScan
- > DAST – Rapid7 AppSpider, IBM AppScan, Contrast
- > IAST – Contrast

Conducted internal penetration testing for all software development projects

- > Metasploit, Burp, Arachne, Postman

Conducted yearly physical security audits

Responded to critical security incidents

Bandwidth (Denver, CO) – Software Development Engineer in Test (SDET III)

July 2013 – August 2017

Created test automation framework (Testopticon)

- > Java/JUnit with WebDriver
- > Jersey Library for API testing
- > JMeter for load testing
- > 100% automated test coverage for all new code

Maintained/Created all test environments

Responsible for all production deployments related to our team's projects

Maintained Jenkins CI environment for all teams

Active participant in development (Tier III) support rotations

Bankrate Insurance (Denver, CO) – Senior Test Engineer/Automation Architect

August 2012 – July 2013

Developed/Maintained 2 test automation frameworks

- > C#/NUnit with WebDriver (BRIBot)
- > Java/JUnit with WebDriver (BRIbeans)
- > Site-Conversion Tool
 - Checks old URL against a new URL to match all relevant content
- > 100% Test Coverage for new code (Legacy code automated as time allows)

Trained non-technical QA staff to code using C# framework

- > Weekly “Lunch & Learn” sessions with the entire team
- > Weekly sessions with individual team members

Computerized Assessments & Learning [CA&L] (Lawrence, KS) –Senior Test Engineer/ SQA Manager

May 2011 – August 2012

Developed and enhanced unit tests and functional automation framework

- > Java-based automated testing harness using Selenium 2/WebDriver and JUnit

Established automated build/deploy system (in conjunction with unit and functional tests)

- > Jenkins CI
- > Nightly builds deployed and tested for all projects

Managed SQA department



- › Implemented all aspects of quality assurance (metrics, reporting, test case management, etc...)
- › Managed SQA lab and SQA servers
- › Administered (company wide) Atlassian's Jira and Confluence

Security Testing

- › CSRF, Cross-site Scripting/XSS, SQL Injection, Privilege Escalation, URL Manipulation
- › Active member of CAL's "Software Security Group"

StoreFinancial Services (Overland Park, KS) – QA Test Automation Specialist

February 2010 – May 2011

Designed, implemented, and maintained a test automation framework

- › C#, XML configurable test harness based on Selenium RC with NUnit as the test runner
- › Visual Studio 2010
- › Incorporated automation into daily QA operations
- › Trained other team members to use framework
- › Tested a full suite of gift card management software applications (web/native).

Created a prototype Android application used to perform balance inquiries on StoreFinancial gift cards

- › Learned basic Java development skills in my spare time
- › Implementing KSoap for Android

Sole tester for basic security vulnerabilities

- › Cross-site scripting/XSS, Cross-site Request Forgery (CSRF) attacks
- › Basic SQL injection attacks, parameter overloading, authentication testing, and denial of service attacks

Created, executed, and maintained test plans from design documentation

- › Used Atlassian's Jira and Confluence for defect, requirement, and documentation tracking

Lead tester for weekend overnight server upgrades/deployments

- › 4 hour (maximum) outage window

MSSQL Server 2005, Windows Server 2003

Ad Astra Information Systems (Overland Park, KS) – Quality Assurance Analyst

August 2009 – February 2010

Tested a complex software suite designed for higher education course scheduling

Created pilot automation framework

- › C#/NUnit
- › Contributed to overall test automation efforts

Ran the weekly Bug/Incident/Enhancement Triage

QA liaison to other departments and clients in meetings

QA representative for Ad Astra's yearly users conference

Answered 3rd tier support calls (as needed)

Netopia, Inc./Motorola, Inc. (Lawrence, KS) – Software Test Engineer

February 2006 - June 2009

Acquired by Motorola in February 2007

Test procedure creation, implementation, and execution

- › Created test plans from design specifications
- › Executed test plans with a focus on test automation (using Selenium/Python)
- › Extensive *ad hoc* testing
- › Six Sigma Certified (yellow belt)

Configured, deployed, and administered servers

- › Resin and Apache based application
- › Solaris 8, 9, and 10
- › CentOS, Redhat, and Ubuntu
- › PostgreSQL Database

Branding and site customization for Sunflower Broadband demonstration and evaluation

Pre-sales engineering support of Motorola's remote management software solutions



Education

University of Kansas

Bachelor of Arts, Psychology

Skill Summary

Strong background in Quality Assurance, including system test procedures, processes, and problem resolution. Extensive experience with web and native application testing. Excellent interpersonal, public speaking, leadership, and training skills. Extensive experience automation Architecture using Selenium, C#, Java, NUnit, JUnit, and XML. Motorola Six Sigma Certification. Attended first ever Selenium conference (April 4th, 2011) in San Francisco. Self-starter for personal projects, avid reader, and life-long learner. Licensed HAM radio operator. Multiple ideas submitted/under consideration for patents. Attended 28th annual Think Conference. Blackhat/DefCon 2017. Avid lockpicker.